| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-----------|--------|--|---|---------------------|---------|------------------|
| L1 | 1 | compar\$3 same circuit same (pipeline adj register) and "370". clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/12 09:25 |
| L2 | 494 | compar\$3 same circuit same multiplexer and "370".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/12 09:25 |
| L3 | 3377 | (370/506,535,536,537,538,539, 541).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 09:25 |
| L4 | 100 | compar\$3 same circuit same multiplexer and L3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/12 09:26 |
| S1 | 175631 | data stream communications | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/01 15:40 |
| S2 | 73373 | data adj stream communications | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/01 15:40 |
| S4 | 702 | data adj stream adj communications | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/01 15:42 |
| S5 | 10 | data adj stream adj communications and data adj alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND . | ON | 2007/08/08 14:49 |
| S6 | 11189 | sonet communications | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/09/17 16:50 |

| | | Y-2 | · | | | |
|-----------|------|---|---|----------|------|------------------|
| S7 | 3249 | comma detection | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/08 14:50 |
| S8 | 60 | comma detection | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:16 |
| S9 | 5 | comma detection and SONET | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 19:27 |
| S10 | 39 | comma detection and alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:23 |
| S11 | 14 | comma detection and alignment and "370".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/08 16:44 |
| S12 | 438 | (370/506).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/08 16:45 |
| S13 | 3447 | synchronization SONET | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/08 16:45 |
| S14 | 848 | synchronization SONET alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON . | 2007/08/08 16:45 |
| S15 | 843 | synchronization SONET data alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/08 16:45 |
| S16 | 89 | synchronization SONET data adj alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND - | ON | 2007/08/08 16:46 |

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| S17 | 43 | comma detection and align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:22 |
| S18 | 41 | comma detection and alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:13 |
| S19 | 2 | comma detection and align\$5 not S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ · | ON | 2007/08/14 15:13 |
| S20 | 1755297 | align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:16 |
| S21 | 2553 | align\$5 and comma | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:16 |
| S22 | 94 | align\$5 and comma and unalign\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:16 |
| S23 | 92 | align\$5 and comma and unalign\$5 not S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 10:41 |
| S24 | 2 | align\$5 and comma and unalign\$5 not S18 and "370".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:18 |
| S25 | 95 | comma and unalign\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/14 15:23 |
| S26 | 225765 | data and alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:24 |

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| S27 | 2880 | data alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:24 |
| S28 | 109568 | data stream | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:24 |
| S29 | 1308 | data stream and comma | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 15:24 |
| S30 | 36 | data stream and comma detection | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/14 18:13 |
| S31 | 2 | ("5,835,496").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/15 13:29 |
| S32 | 2426 | pipeline register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 13:29 |
| S33 | 1291 | pipeline register and multiplexer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/09/20 14:41 |
| S34 | 447 | pipeline register and multiplexer and align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 13:30 |
| S35 | 47 | pipeline register and multiplexer and data align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 13:36 |
| S36 | 2 | ("6,996,735").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/15 13:36 |

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| S37 | 2569 | (bit or byte) alignment | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 19:28 |
| S38 | 2 | (bit or byte) (partially or fully) align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 19:29 |
| S39 | 316 | (bit or byte) and (partially or fully) align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 19:30 |
| S40 | 23 | ((bit or byte) and (partially or fully)) align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/15 19:30 |
| S41 | 2861 | breakpoint and align\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/16 10:08 |
| S42 | 719 | breakpoint and align\$5 and bit and byte | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/16 10:08 |
| S43 | 633 | breakpoint and align\$5 and bit and byte and register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/16 10:15 |
| S44 | 42 | breakpoint and align\$5 and bit and byte and pipeline register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/16 10:15 |
| S45 | 107 | compar\$4 align\$4 data adj stream | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/08/16 14:37 |
| S46 | 9 | compar\$4 align\$4 data adj stream and sonet | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/08/16 14:48 |

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| S47 | 166 | compar\$4 align\$4 (bit or byte) and sonet | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2007/08/16 14:48 |
| S48 | 8 | compar\$4 align\$4 (bit or byte) and sonet not "9" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2007/08/16 14:49 |
| S49 | 159 | compar\$4 align\$4 (bit or byte) and sonet not S46 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2007/08/16 15:18 |
| S50 | 78 | Foschini.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2007/08/16 15:18 |
| S51 | 14 | (("4329708") or ("4364081") or ("5068880") or ("5535373") or ("5638518") or ("5648776")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/19 15:06 |
| S52 | 2 | ("5081654").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/11 17:57 |
| S53 | 4124 | ((compar\$4 or match\$3) same consecutive same bit) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/11 17:57 |
| S54 | 819 | ((compar\$4 or match\$3) same consecutive same byte) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/26 10:58 |
| S55 | 491 | S53 and S54 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/11 17:57 |
| S56 | 394 | comma with detect\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/11 17:57 |

| S57 | 6 | S55 and S56 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/11 18:07 |
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| S58 | 187 | S55 and align\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/11 18:09 |
| S59 | 1 | S57 and align\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/11 17:59 |
| S61 | 5 | comma detection and SONET | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ . | ON | 2007/09/17 16:51 |
| S62 | 1 | S61 and S60 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/17 16:52 |
| S63 | 478 | S60 and SONET | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/17 16:52 |
| S64 | 12 | S60 and SONET and comma | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/17 16:52 |
| S65 | 2 | ("7254206").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/20 09:31 |
| S66 | 2953 | (370/535,536,537,538,539,541). CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/20 09:30 |
| S67 | 2 | ("5081654").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/20 13:45 |

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| S68 | 2953 | (370/535,536,537,538,539,541). CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/20 13:46 |
| S69 | 3362 | (370/535,536,537,538,539,541, 506).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/20 14:26 |
| S70 | 8 | S69 and pipeline adj register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/20 14:26 |
| S71 | 3362 | (370/506,535,536,537,538,539, 541).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/20 14:26 |
| S72 | 8 | S71 and pipeline adj register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/20 14:41 |
| S73 | 475 | pipeline register same multiplexer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/09/20 14:46 |
| S74 | 112 | pipeline register same multiplexer and "370" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON . | 2007/10/01 15:33 |
| S75 | 51 | "6370613" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/09/20 15:20 |
| S76 | 821 | ((compar\$4 or match\$3) same consecutive same byte) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/26 10:59 |
| S77 | 3363 | (370/506,535,536,537,538,539, 541).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2007/09/26 10:59 |

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| S78 | 15 | S76 and S77 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON - | 2007/10/10 16:22 |
| S79 | 5 | ((<u>"</u> 5251239") or ("5963564")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/01 15:11 |
| S80 | 5810 | register same multiplexer and "370" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/10/01 15:35 |
| S81 | 3363 | (370/506,535,536,537,538,539, 541).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/01 15:35 |
| S82 | 333 | register same multiplexer and S81 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/10/01 15:35 |
| S83 | | pipeline register same multiplexer and S81 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/10/01 15:35 |
| S84 | 2 | (pipeline register) same multiplexer and S81 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/10/01 15:36 |
| S85 | 821 | ((compar\$4 or match\$3) same consecutive same byte) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 16:23 |
| S86 | 50 | S85 same align\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/10 16:52 |
| S87 | 2 | ("20050229049").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/10 16:56 |

| S88 | 2 | ("20070076624").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/10 16:56 |
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| S89 | 7 | (("6560275") or ("7151783") or ("7230956")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/11 17:31 |
| S90 | 5 | A1 and S89 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/11 16:12 |
| S91 | 3971 | circuit same pipeline same register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/11 17:33 |
| S92 | 3 | S90 and "370".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/11 17:31 |
| S93 | 113 | S91 and "370".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/11 17:32 |
| S94 | 819 | circuit same (pipeline adj register) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/11 17:34 |
| S95 | 58 | S94 and "370".clas. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/11 17:33 |
| S96 | 48 | compar\$3 same circuit same (pipeline adj register) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/12 09:22 |